

[Name of Document] ABSTRACT

[Abstract]

 [Object] To reduce an apparatus in size and weight
reducing manufacturing cost as well, and to maintain the
5 stability of rotation of a motor and improve the operational
stability of a disk device.

 [Solving Means] An inner rotor motor includes a rotor 2
having a plurality of circumferentially arranged magnetic
poles 25n, 25s; a stator 3 having a stator core 31 located
10 outside the circumference of the rotor 2 and having a
plurality of magnetic pole teeth 33 to 38 opposing the rotor
2, coils 33a to 38a being provided in the respective magnet
pole teeth 33 to 38 of the stator core 31, wherein the stator
3 is arranged within a range of 180° about the center 21 of
15 the rotor 2, and wherein a pitch P1 of between rotor-facing
surfaces 33d to 38d of the magnetic pole teeth 33 to 38 in
the circumferential direction of the rotor 2 is established
smaller than a pitch P3 of between the magnet poles 25 in the
circumferential direction of the rotor 2.

20 [Selected Figure] Fig. 1